



materials



an Open Access Journal by MDPI

Synthesis and Application of New Lignin-Based Polymers and Composites

Guest Editor:

Prof. Dr. Dmitry V. Evtuguin

Department of Chemistry &
CICECO, Universidade de Aveiro,
Campus Universitário de
Santiago, 3810-193 Aveiro,
Portugal

Deadline for manuscript
submissions:

closed (21 February 2023)

Message from the Guest Editor

In conventional applications, technical lignins are essentially limited to being used as unmodified additives to different polymer blends and composites, in construction materials (concrete, cement, breaks, asphalt, etc.), in the extractive (oil production and mining) and manufacturing (ceramic, leather-processing, paint and varnish, carbon black, etc.) industries, agriculture (fertilizers, auxiliary chemicals, remediation, etc.), and in medicine. The most recent trends point to high-performance advanced lignin-based materials obtained by targeted modification, controlled polymerization, and nanostructuring techniques.

This Special Issue encourages researchers to contribute with their recent works (original research articles and reviews) related to advances in lignin utilization in new polymeric formulations, composites, functional and nanostructured materials.



mdpi.com/si/56743

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)